

TABLE

Outfall Sediment Analytical Data Adjacent to City Outfall 22C
2002 City Source Control Sediment Investigation

DRAFT

Location (ft from OF along shore) (ft offshore) Sample ID Sample Date Analyte Units^a	Offshore from OF				Outfall Discharge Channel							JSCS Catch Basin Toxicity SLVs^b	JSCS Catch Basin Bioacc SLVs^b	DEQ Inriver Baseline^c
	105' offshore	175' offshore	100' from OF	100' from OF	100' from OF		100' from OF		At Outfall					
	SI0122C010	SI0122C020	SI0122C030	SI0122C031	SI0122C030	SI0122C031	SI0122C031	SI0122C040	SI0122C040					
	Normal	Normal	Normal	Duplicate	Normal	Duplicate	Normal	Normal	Normal					
Total Organic Carbon	mg/kg	84200		910		3040		3140		7320		--	--	20000
Total Metals														
Aluminum	mg/kg	12200		9730		10100		8740		1630		--	--	42800
Antimony	mg/kg	4	J	1.6	J	0.261		0.292		0.579		64	10	5
Arsenic	mg/kg	27.7		19.7		5.6		4.92		53.7		33	--	5
Cadmium	mg/kg	0.0174	U	0.0085	U	0.272	U	0.266	U	1.1	U	4.98	0.003	0.6
Chromium	mg/kg	106		67.2		15.4		13.1		7.84		111	4200	41
Copper	mg/kg	168	B2	123	B2	22.6		19		18.3		149	10	60
Lead	mg/kg	161	B2	122	B2	18.9	B2	20.7	B2	13.3	B2	128	128	30
Mercury	mg/kg	0.101		0.012	J	0.0205	J	0.0181	J	0.0372	U	1.06	--	0.1
Nickel	mg/kg	83.2	B2	75.5	B2	15		12.2		7.03		48.6	316	32
Selenium	mg/kg	0.941	U	0.46	U	0.453	U	0.444	U	1.83	U	5	0.1	15
Silver	mg/kg	1.3		0.744		0.141		6.14		0.573		5	--	1.4
Zinc	mg/kg	432	B2	319	B2	87.3		71		48		459	3	118
PAHs														
2-Methylnaphthalene	ug/kg	136		17.5	J	9.95		11.2		6.5	UJ	200	--	150
Acenaphthene	ug/kg	1380		119	J	95.8		57.2		12.8	J	300	--	180
Acenaphthylene	ug/kg	201		71.2	J	37.8		40.1		7	J	200	--	60
Anthracene	ug/kg	1150		250	D10 J	131		77.1		12.8	J	845	--	150
Benzo (a) anthracene	ug/kg	7050		283	J	611	D10	321	D10	30	J	1050	--	360
Benzo (a) pyrene	ug/kg	8220	D10	294	J	635	D10	355	D10	64.2	J	1450	--	500
Benzo [g,h,i] perylene	ug/kg	6390		195	J	639	D10	381		59.6	J	300	--	250
Benzofluoranthenes	ug/kg	13300		400	J	1220	D10	756		127	J	--	--	--
Chrysene	ug/kg	7140		297	J	584	D10	349	D10	59.1	J	1290	--	425
Dibenzo (a,h) anthracene	ug/kg	2850		65.7	J	109		77.6		17	J	1300	--	125
Fluoranthene	ug/kg	10400	D10	499	D10 J	837	D10	548	D10	89.4	J	2230	--	600
Fluorene	ug/kg	501		38.3	J	40		30.9		6.5	UJ	536	--	125
Indeno (1,2,3-cd) pyrene	ug/kg	5120		148	J	629	D10	338		53.4	J	100	--	225
Naphthalene	ug/kg	268		29.5	J	23.4		13.6		14.4	J	561	--	200
Phenanthrene	ug/kg	4300		283	J	411	D10	309		28.8	J	1170	--	700
Pyrene	ug/kg	10800	D10	596	D10 J	962	D10	635	D10	95.9	J	1520	--	700
Estimated Total LPAHs ^{1,2}	ug/kg	7936		808.5		748.95		539.1		75.8		--	--	--
Estimated Total HPAHs ^{1,3}	ug/kg	71270		2777.7		6226		3760.6		595.6		--	--	--
Estimated Total PAHs ^{1,4}	ug/kg	79206		3586.2		6974.95		4299.7		671.4		--	--	--

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	105' offshore		175' offshore		100' from OF		100' from OF		At Outfall					
	SI0122C010	SI0122C020	SI0122C030	SI0122C031	SI0122C040	SI0122C040	SI0122C040	SI0122C040	SI0122C040	SI0122C040	SI0122C040			
	Normal	Normal	Normal	Duplicate	Normal									
Phthalates														
Bis(2-Ethylhexyl) Phthalate	ug/kg	341	U	19.9	UJ	49.1		48.6		65	UJ	800	330	390
Butyl Benzyl Phthalate	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	20
Diethyl Phthalate	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	102	J	600	--	--
Dimethyl Phthalate	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	20
Di-n-Butyl Phthalate	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	100	--	20
Di-n-Octyl Phthalate	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	20
Other Semivolatile Organics														
1,2,4-Trichlorobenzene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	9200	--	--
1,2-Dichlorobenzene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	1700	--	--
1,3-Dichlorobenzene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	300	--	--
1,4-Dichlorobenzene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	300	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2,3,5,6-Tetrachlorophenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2,4,5-Trichlorophenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2,4,6-Trichlorophenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2,4-Dichlorophenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2,4-Dimethylphenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2,4-Dinitrophenol	ug/kg	1700	U	76.6	UJ	80.8	U	76.5	U	325	UJ	--	--	--
2,4-Dinitrotoluene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2,6-Dinitrotoluene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2-Chloronaphthalene	ug/kg	34.1	U	1.53	UJ	1.62	U	1.53	U	6.5	UJ	--	--	--
2-Chlorophenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2-Methylphenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	179	J	--	--	--
2-Nitroaniline	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
2-Nitrophenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
3,3'-Dichlorobenzidine	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
3-Nitroaniline	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
4,6-Dinitro-2-Methylphenol	ug/kg	1700	U	76.6	UJ	80.8	U	76.5	U	325	UJ	--	--	--
4-Bromophenyl Phenyl Ether	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
4-Chloro-3-Methylphenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
4-Chloroaniline	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
4-Chlorophenyl Phenyl Ether	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
4-Methylphenol	ug/kg	681	U	30.6	UJ	32.3	U	30.6	U	130	UJ	--	--	680
4-Nitroaniline	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
4-Nitrophenol	ug/kg	1700	U	76.6	UJ	80.8	U	76.5	U	325	UJ	--	--	--
Aniline	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
Benzoic Acid	ug/kg	1700	U	76.6	UJ	80.8	U	76.5	U	325	UJ	--	--	200
Benzyl Alcohol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	20
Bis(2-Chloroethoxy) Methane	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
Bis(2-Chloroethyl) Ether	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
Bis(2-Chloroisopropyl) Ether	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--
Carbazole	ug/kg	952		54.5	J	73.3		50.3		65	UJ	1600	--	100

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	105' offshore		175' offshore		100' from OF		100' from OF		At Outfall						
	SI0122C010	SI0122C020	SI0122C030	SI0122C031	SI0122C040	SI0122C040	SI0122C030	SI0122C031	SI0122C040	SI0122C040					
Dibenzofuran	ug/kg	341	U	15.3	UJ	18.4	J	15.3	U	65	UJ	--	--	100	
Hexachlorobenzene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	100	--	--	
Hexachlorobutadiene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	600	--	--	
Hexachlorocyclopentadiene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	400	--	--	
Hexachloroethane	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--	
Isophorone	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--	
n-Nitrosodi-n-Propylamine	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--	
n-Nitrosodimethylamine	ug/kg	1700	U	76.6	UJ	80.8	U	76.5	U	325	UJ	--	--	--	
n-Nitrosodiphenylamine	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--	
Nitrobenzene	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	--	--	--	
Pentachlorophenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	1000	--	97	
Phenol	ug/kg	341	U	15.3	UJ	16.2	U	15.3	U	65	UJ	50	--	20	
Chlorinated Herbicides															
2,4,5-T	ug/kg	NA		NA		NA		NA		10.5	UJ	--	--	--	
2,4,5-TP	ug/kg	NA		NA		NA		NA		8.6	UJ	--	--	--	
2,4-D	ug/kg	NA		NA		NA		NA		8.93	UJ	--	--	3.3	
2,4-Db	ug/kg	NA		NA		NA		NA		6.44	UJ	--	--	5	
4-Nitrophenol	ug/kg	NA		NA		NA		NA		5.12	UJ	--	--	--	
Dalapon	ug/kg	NA		NA		NA		NA		5.16	UJ	--	--	--	
Dicamba	ug/kg	NA		NA		NA		NA		5.27	UJ	--	--	--	
Dichloroprop	ug/kg	NA		NA		NA		NA		8.5	UJ	--	--	--	
Mcpa	ug/kg	NA		NA		NA		NA		10.1	UJ	--	--	--	
Mcpp	ug/kg	NA		NA		NA		NA		4.49	UJ	--	--	--	
Pentachlorophenol	ug/kg	NA		NA		NA		NA		6.59	UJ	1000	--	97	
PCBs as Congeners															
PCB-008	ug/kg	2.34		0.54	J	0.52	JP	1.04		1.26	U	--	--	--	
PCB-018	ug/kg	0.82	J	0.31	U	0.33	U	0.34	U	1.23	U	--	--	--	
PCB-028	ug/kg	2.82		0.22	J	0.31	JP	0.52	P	1.44	P	--	--	--	
PCB-044	ug/kg	0.41	U	0.26	J	0.19	U	0.28	JP	0.71	U	--	--	--	
PCB-052	ug/kg	4.48		0.48	J	0.65	J	0.81	P	1.11	U	--	--	--	
PCB-066	ug/kg	4.72		0.76		0.56	P	1.54		0.65	U	--	--	--	
PCB-101	ug/kg	0.52	U	0.22	U	0.24	U	0.25	U	0.9	U	--	--	--	
PCB-105	ug/kg	0.32	U	0.14	U	0.15	U	0.15	U	0.55	U	--	--	--	
PCB-118	ug/kg	0.67	J	0.17	U	0.18	U	0.24	JP	0.67	U	--	--	--	
PCB-128	ug/kg	0.7	J	0.14	U	0.27	JP	0.28	JP	0.57	U	--	--	--	
PCB-138	ug/kg	3.1		0.53	J	0.79	P	0.95	P	0.62	U	--	--	--	
PCB-153	ug/kg	6.51		1.09		1.18	P	2.12		0.79	U	--	--	--	
PCB-170	ug/kg	0.98	J	0.26	J	0.17	U	0.32	J	0.62	U	--	--	--	
PCB-180	ug/kg	3.17		0.14	U	0.32	JP	0.71		0.55	U	--	--	--	
PCB-187	ug/kg	1.88		0.17	U	0.34	JP	0.66		0.68	U	--	--	--	
Estimated Total PCBs^{1,5}	ug/kg	64.9		10.2		11.7		20.6		4.9		676	--	180	

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	105' offshore SI0122C010 10/16/2002 Normal	175' offshore SI0122C020 10/16/2002 Normal	100' from OF SI0122C030 10/17/2002 Normal	100' from OF SI0122C031 10/17/2002 Duplicate	At Outfall SI0122C040 10/17/2002 Normal									
Pesticides														
2,4'-DDD	ug/kg	162	C1	12.9	C1	20.6	C1	31.6	C1	8.62	U	--	--	--
2,4'-DDE	ug/kg	23.8	C2	3.51	J C2	4.45	J C2	9.31	C2	8.62	U	--	--	--
2,4'-DDT	ug/kg	25.2	C1	22.4	C1	7.88	C1	88.4	C1	8.62	U	--	--	--
4,4'-DDD	ug/kg	296	C1	19.4	C1	22.6	C1	45.7	C1	7.34	J C1	28	0.3	--
4,4'-DDE	ug/kg	58	C1	20.3	C1	18.9	C1	37	C1	1.98	U	31.3	0.3	--
4,4'-DDT	ug/kg	48.2	C1	22.9	C1	31.5	C1	258	C1	2.23	U	62.9	0.3	--
Estimated Total DDTs ^{1,6}	ug/kg	402.2		62.6		73		340.7		7.34		--	0.3	220
4,4'-Methoxychlor	ug/kg	24.3	J C1	3.48	U	3.24	U	2.94	U	11.9	U	--	--	--
Aldrin	ug/kg	2.28	U	1.09	U	1.01	U	0.923	U	3.72	U	40	--	--
Alpha-BHC	ug/kg	1.64	U	0.784	U	0.731	U	0.664	U	2.68	U	--	--	--
beta-BHC	ug/kg	2.24	U	1.07	U	0.995	U	0.905	U	3.65	U	--	--	--
Beta-Chlordane	ug/kg	2.15	U	1.02	U	0.955	U	0.868	U	3.5	U	17.6	--	--
Chlordane	ug/kg	7.44	U	3.55	U	3.31	U	3.01	U	12.1	U	17.6	--	--
cis-Chlordane	ug/kg	2.1	U	1	U	0.935	U	0.85	U	3.43	U	17.6	--	--
cis-Nonachlor	ug/kg	5.29	U	2.52	U	2.35	U	2.14	U	8.62	U	--	--	--
delta-BHC	ug/kg	2.03	U	0.969	U	0.903	U	0.821	U	3.31	U	--	--	--
Dieldrin	ug/kg	1.73	U	0.828	U	0.771	U	0.701	U	2.83	U	61.8	--	--
Endosulfan I	ug/kg	2.25	U	1.07	U	1	U	0.91	U	3.67	U	--	--	--
Endosulfan II	ug/kg	2.04	U	0.975	U	0.909	U	0.826	U	3.33	U	--	--	--
Endosulfan Sulfate	ug/kg	1.92	U	0.918	U	0.856	U	0.778	U	3.14	U	--	--	--
Endrin	ug/kg	1.91	U	0.911	U	0.849	U	0.772	U	3.11	U	207	--	--
Endrin Aldehyde	ug/kg	6.59	J C2	1.03	U	0.959	U	0.872	U	3.52	U	--	--	--
Endrin Ketone	ug/kg	4.39	J C2	0.709	U	0.661	U	0.601	U	2.42	U	--	--	--
Heptachlor	ug/kg	4.1	J C2	0.869	U	0.81	U	0.736	U	2.97	U	10	--	--
Heptachlor Epoxide	ug/kg	1.93	U	0.922	U	0.859	U	0.781	U	3.15	U	16	--	--
Hexachlorobenzene	ug/kg	6.91	C1	1.26	U	1.18	U	1.07	U	4.31	U	--	--	--
Hexachlorobutadiene	ug/kg	3.37	J C2	1.26	U	1.18	U	1.07	U	4.31	U	--	--	--
Hexachloroethane	ug/kg	2.64	U	1.26	U	1.18	U	1.07	U	4.31	U	--	--	--
Lindane	ug/kg	2.02	U	0.965	U	0.899	U	0.817	U	3.3	U	4.99	--	--
Oxychlordane	ug/kg	5.29	U	2.52	U	2.35	U	2.14	U	8.62	U	--	--	--
Toxaphene	ug/kg	33.1	U	15.8	U	14.7	U	13.4	U	54	U	--	--	--
Trans-Nonachlor	ug/kg	5.29	U	2.52	U	2.35	U	2.14	U	8.62	U	--	--	--
TPH														
Diesel	mg/kg	53.5		11.2		32.3		32.7		38.4		--	--	--
Lube Oil - NWTTPH	mg/kg	200		64.9		331		108		226		--	--	--

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	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID			
105' offshore	SI0122C010	10/16/2002	175' offshore	SI0122C020	10/16/2002			
			100' from OF	SI0122C030	10/17/2002			
			100' from OF	SI0122C031	10/17/2002			
			At Outfall	SI0122C040	10/17/2002			
Analyte	Units^a							
		Normal		Normal				
				Normal				
				Duplicate				

Notes:

^aAll results reported on a dry-weight basis.

^bPortland Harbor Joint Source Control Strategy (DEQ/EPA Final, December 2005) levels are presented for comparison to sediment sample results.

^cDEQ baseline values are used here for comparison purposes only.

italic The method reporting limit exceeds JSCS Screening Levels.

bold The detected concentration exceeds JSCS Bioaccumulation Screening Level.

shaded The reported value exceeds JSCS Toxicity Screening Level.

¹Total parameters (i.e., LPAHs, HPAHs, PAHs, PCBs, and DDTs) were calculated based on detections only. Qualifiers are not included on total parameters as it is implied that these are estimated quantities.

²Total LPAHs: low molecular weight polycyclic aromatic hydrocarbons includes naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, and 2-methylnaphthalene.

³Total HPAHs: High molecular weight polycyclic aromatic hydrocarbons includes fluoranthene, pyrene, benzo[a]anthracene, chrysene, benzofluoranthenes, benzo[a]pyrene, indeno[1,2,3-cd]pyrene, dibenz[a,h]anthracene, and benzo[ghi]perylene.

⁴Total PAHs: Represents the sum of Total LPAHs and HPAHs.

⁵Total PCBs: The list of PCB congeners is based on EPA recommendations provided in *QA/QC Guidance for Sampling and Analysis of Sediment, Water, and Tissues for Dredged Material Evaluations*, EPA 823-B-95-001 (April 1995).

This list can be used to estimate total PCBs in accordance with the NOAA method provided in NOAA Technical Memorandum NOA OMA 49 (August 1989). Calculations follow the Battelle method:

Total PCB = 1.95 (Σ congeners listed) + 2.1.

⁶Total DDTs: Sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT.

Qualifiers:

B1 This analyte was detected in the associated method blank. The concentration was determined not to be significantly higher than the associated method blank (less than 10 times the concentration reported in the blank).

B2 This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than 10 times the concentration reported in the blank).

C1 Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2 Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

D5 The analyte exceeded the linear calibration range and the sample was diluted and reanalyzed. The reported result for the analyte has been flagged with "D" and a number representing the additional dilution required to bring the analyte within the calibration range.

D10 The analyte exceeded the linear calibration range and the sample was diluted and reanalyzed. The reported result for the analyte has been flagged with "D" and a number representing the additional dilution required to bring the analyte within the calibration range.

J The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

U The analyte was not detected above the reported method detection limit.

UJ The analyte was not detected above the reported method detection limit. However, the reported method detection limit is approximate and may or may not represent the actual method detection limit necessary to accurately and precisely measure the analyte in the sample.

P The difference between the analyte detected in the front and back column is greater than 40%.

Abbreviations/Definitions:

-- Not available or applicable

ug/kg micrograms per kilogram

mg/kg milligrams per kilogram

NA Not analyzed

PAH polycyclic aromatic hydrocarbon

PCB polychlorinated biphenyl

TABLE

DRAFT

Outfall Sediment Analytical Data Adjacent to City Outfall 22C
 2002 City Source Control Sediment Investigation

Location (ft from OF along shore) (ft offshore)	Offshore from OF		Outfall Discharge Channel			JSCS Catch Basin Toxicity SLVs ^b	JSCS Catch Basin Bioacc SLVs ^b	DEQ Inriver Baseline ^c
	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID			
105' offshore	SI0122C010	10/16/2002	175' offshore	SI0122C020	10/16/2002			
100' from OF	SI0122C030	10/17/2002	100' from OF	SI0122C031	10/17/2002			
At Outfall	SI0122C040	10/17/2002						
Analyte	Units^a							
TPH total petroleum hydrocarbon	Normal		Normal	Duplicate				

1,2,4-Trichlorobenzene	341	U	15.3	UJ	16.2	U
1,2-Dichlorobenzene	341	U	15.3	UJ	16.2	U
1,3-Dichlorobenzene	341	U	15.3	UJ	16.2	U
1,4-Dichlorobenzene	341	U	15.3	UJ	16.2	U
2,3,4,6-Tetrachlorophenol	341	U	15.3	UJ	16.2	U
2,3,5,6-Tetrachlorophenol	341	U	15.3	UJ	16.2	U
2,4,5-Trichlorophenol	341	U	15.3	UJ	16.2	U
2,4,6-Trichlorophenol	341	U	15.3	UJ	16.2	U
2,4-Dichlorophenol	341	U	15.3	UJ	16.2	U
2,4-Dimethylphenol	341	U	15.3	UJ	16.2	U
2,4-Dinitrophenol	1700	U	76.6	UJ	80.8	U
2,4-Dinitrotoluene	341	U	15.3	UJ	16.2	U
2,6-Dinitrotoluene	341	U	15.3	UJ	16.2	U
2-Chloronaphthalene	34.1	U	1.53	UJ	1.62	U
2-Chlorophenol	341	U	15.3	UJ	16.2	U
2-Methylphenol	341	U	15.3	UJ	16.2	U
2-Nitroaniline	341	U	15.3	UJ	16.2	U
2-Nitrophenol	341	U	15.3	UJ	16.2	U
3,3'-Dichlorobenzidine	341	U	15.3	UJ	16.2	U
3-Nitroaniline	341	U	15.3	UJ	16.2	U
4,6-Dinitro-2-Methylphenol	1700	U	76.6	UJ	80.8	U
4-Bromophenyl Phenyl Ether	341	U	15.3	UJ	16.2	U
4-Chloro-3-Methylphenol	341	U	15.3	UJ	16.2	U
4-Chloroaniline	341	U	15.3	UJ	16.2	U
4-Chlorophenyl Phenyl Ether	341	U	15.3	UJ	16.2	U
4-Methylphenol	681	U	30.6	UJ	32.3	U
4-Nitroaniline	341	U	15.3	UJ	16.2	U
4-Nitrophenol	1700	U	76.6	UJ	80.8	U
Aniline	341	U	15.3	UJ	16.2	U
Benzoic Acid	1700	U	76.6	UJ	80.8	U
Benzyl Alcohol	341	U	15.3	UJ	16.2	U
Bis(2-Chloroethoxy) Methane	341	U	15.3	UJ	16.2	U
Bis(2-Chloroethyl) Ether	341	U	15.3	UJ	16.2	U
Bis(2-Chloroisopropyl) Ether	341	U	15.3	UJ	16.2	U
Carbazole	952		54.5	J	73.3	
Dibenzofuran	341	U	15.3	UJ	18.4	J
Hexachlorobenzene	341	U	15.3	UJ	16.2	U
Hexachlorobutadiene	341	U	15.3	UJ	16.2	U
Hexachlorocyclopentadiene	341	U	15.3	UJ	16.2	U
Hexachloroethane	341	U	15.3	UJ	16.2	U
Isophorone	341	U	15.3	UJ	16.2	U
n-Nitrosodi-n-Propylamine	341	U	15.3	UJ	16.2	U
n-Nitrosodimethylamine	1700	U	76.6	UJ	80.8	U
n-Nitrosodiphenylamine	341	U	15.3	UJ	16.2	U
Nitrobenzene	341	U	15.3	UJ	16.2	U
Pentachlorophenol	341	U	15.3	UJ	16.2	U
Phenol	341	U	15.3	UJ	16.2	U

15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
76.5	U	325	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
1.53	U	6.5	UJ				
15.3	U	65	UJ				
15.3	U	179	J				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
76.5	U	325	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
30.6	U	130	UJ				
15.3	U	65	UJ				
76.5	U	325	UJ				
15.3	U	65	UJ				
76.5	U	325	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
50.3		65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
76.5	U	325	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				
15.3	U	65	UJ				

